

We claim:

Sub-B1
1. A heat insulated wall, comprising:

a connecting profile;

an evacuable heat insulating material;

two outer covering layers having contours and disposed at a distance from one another, said two outer covering layers connected to one another in a vacuum-tight manner by said connecting profile running along said contours, said two outer covering layers together with said connecting profile enclosing an intermediate space that can be evacuated and filled with said evacuable heat insulating material, at least one of said two outer covering layers having an aperture formed therein; and

a tube section including two end sections, one of said two end sections having a circumferentially positioned flange-shaped expanded and flattened region fixed in a vacuum-tight manner in said aperture of said at least one of said two outer covering layers.

2. The heat insulated wall according to claim 1, wherein said aperture is formed in both of said two outer covering layers and said two outer covering layers have mutually facing inner

9 sides, said tube section is disposed in said intermediate space between said two outer covering layers formed with said apertures and connects said apertures to one another for providing a passage for passing ^{cables} ~~electrical cables and the like~~, each of said two end sections of said tube section having one of said flange-shaped expanded and flattened regions and said tube section is fixed in a vacuum-tight manner on said mutually facing inner sides of said two outer covering layers.

3. The heat insulated wall according to claim 1, wherein said tube section and said flange-shaped expanded and flattened region each have a circular cross section.

4. The heat insulated wall according to claim 2, wherein said tube section and said flange-shaped expanded and flattened regions each have a circular cross section.

5. The heat insulated wall according to claim 1, wherein said flange-shaped expanded and flattened region is an integral component of said tube section.

6. The heat insulated wall according to claim 2, wherein said flange-shaped expanded and flattened regions are an integral component of said tube section.

7. The heat insulated wall according to claim 1, wherein said aperture has a given width and said tube section has a cross section corresponding at least substantially in an unobstructed manner to said given width of said aperture.

8. The heat insulated wall according to claim 1, wherein said two outer covering layers and said tube section having said flange-shaped expanded and flattened region are composed of a material selected from the group consisting of stainless steel and corrosion-protected steel, and said two outer covering layers are connected to said flange-shaped expanded and flattened region by a welded connection formed by a beam-welding process.

9. The heat insulated wall according to claim 2, wherein said two outer covering layers and said tube section having said flange-shaped expanded and flattened regions are composed of a material selected from the group consisting of stainless steel and corrosion-protected steel, and said two outer covering layers are connected to said flange-shaped expanded and flattened regions by a beam-welding process.

10. The heat insulated wall according to claim 8, wherein said flange-shaped expanded and flatten region has a free edge and said welded connection between said two outer covering

layers and said flange-shaped expanded and flattened region is provided in a region close to said free edge.

11. The heat insulated wall according to claim 1, wherein said two outer covering layers have a given material thickness and said flange-shaped expanded and flattened region has a material thickness corresponding to said given material thickness of said two outer covering layers.

12. The heat insulated wall according to claim ²~~1~~, wherein said two outer covering layers have a given material thickness and said flange-shaped expanded and flattened regions have a material thickness corresponding to said given material thickness of said two outer covering layers.

13. A heat insulated housing for a refrigerator, comprising:

a heat insulated housing body including:

a connecting profile;

an evacuable heat insulating material;

two outer covering layers having contours and disposed at a distance from one another, said two outer covering layers connected to one another in a vacuum-tight manner

by said connecting profile running along said contours, said two outer covering layers together with said connecting profile enclosing an intermediate space that can be evacuated and filled with said evacuable heat insulating material, at least one of said two outer covering layers having an aperture formed therein; and

a tube section including two end sections and one of said two end sections having a circumferentially positioned flange-shaped expanded and flattened region fixed in a vacuum-tight manner in said aperture of said at least one of said two covering layers.

14. An oven muffle for bounding an oven area and a door of a domestic oven, the oven muffle comprising:

a connecting profile;

an evacuable heat insulating material;

two outer covering layers having contours and disposed at a distance from one another, said two outer covering layers connected to one another in a vacuum-tight manner by said connecting profile running along said contours, said two outer covering layers together with said connecting profile enclosing an intermediate space that can be evacuated and

filled with said evacuable heat insulating material, at least one of said two outer covering layers having an aperture formed therein; and

a tube section including two end sections and one of said two end sections having a circumferentially positioned flange-shaped expanded and flattened region fixed in a vacuum-tight manner in said aperture of said at least one of said two covering layers.